

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE PRODUCT



(Tedizolid Phosphate) Tablet 200mg

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

TEDIZ[™] Tablet 200mg Each film coated tablet contains: Tedizolid Phosphate MS...200mg

3. PHARMACEUTICAL FORM

Appearance: Yellow color, capsular shaped film coated tablet, with SAMI engraved on one side and plain on the other side.

4. CLINICAL PARTICULARS 4.1. THERAPEUTIC INDICATIONS:

TEDET is indicated for the treatment of acute bacterial skin and skin structure infections (ABSSSI) in adults and adolescents 12 years of age and older. Consideration should be given to official guidance on the appropriate use of antibacterial agents.

4.2. POSOLOGY AND METHOD OF ADMINISTRATION:

TEDIZ Tablets may be used as initial therapy. Patients who commence treatment on the parenteral formulation may be switched to the oral presentation when clinically

indicated.

Recommended dose and duration: The recommended dosage for adults and adolescents 12 years of age and older is 200mg once daily for 6 days. The safety and efficacy of tedizoilid phosphate when administered for periods longer than 6 days have not been established.

Missed dose: If a dose is missed, if should be taken as soon as possible anytime up to 8 hours prior to the next scheduled dose. If less than 8 hours remains before the next dose, then the patient should wait until the next scheduled dose. Patients should not take a double dose to compensate for a missed dose.

Elderly (265 years): No dosage adjustment is required. The clinical experience in patients 2/5 years is limited.

Hepatic impairment: No dosage adjustment is required.

Renal impairment: No dosage adjustment is required

Paediatric population: The safety and efficacy of tedizolid phosphate in children below 12 years of age have not yet been established. No recommendation on a posology for children below 12 years of age can be made.

Method of administration: For oral use. The film-coated tablets can be taken with or without food. The time to tedizolid peak concentration with oral administration under fasting conditions is 6 hours faster than when administered with a high-fat, high-calorie meal. If a rapid antibiotic effect is needed, the intravenous administration should be considered.

4.3. CONTRAINDICATIONS:

Hypersensitivity to the active substance or to any of the excipients.

4.4. SPECIAL WARNINGS AND PRECAUTIONS FOR USE:

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Patients with neutropenia (neutrophil counts < 1,000 cells/mm²) have not been investigated. In an animal model of infection, the antibacterial activity of tedizolid was reduced in the absence of granulocytes. The clinical relevance of this finding is unknown. Alternative therapies should be considered when treating patients with neutropenia and ABSSSI.

Withtochondrial dysfunction: Tedizolid inhibits mitochondrial protein synthesis. Adverse reactions such as lactic acidosis, anaemia and neuropathy (optic and peripheral) may occur as a result of this inhibition. These events have been observed with another member of the oxazolidinone class when administered over a duration exceeding that

recommended for tedizolid phosphate.

Myelosuppression: Thrombocytopenia, decreased haemoglobin and decreased neutrophils have been observed during treatment with tedizolid phosphate. Anaemia,

Recommended for tedizoilid phosphate.

Myelosuppression: Thrombocytopenia, decreased haemoglobin and decreased neutrophils have been observed during treatment with tedizoilid phosphate. Anaemia, leucopenia and pancytopenia have been reported in patients treated with another member of the oxazolidinone class and the risk of these effects appeared to be related to the duration of treatment. Most cases of thrombocytopenia course with treatment lasting longer than the recommended duration. There may be an association with thrombocytopenia in patients with renal insufficiency. Patients who develop myelosuppression should be monitored and the benefit-risk should be re-evaluated. If treatment is continued, close monitoring of blood courts and appropriate hamagement strategies should be implemented.

Peripheral neuropathy and optic nerve disorders: Peripheral neuropathy, as well as optic neuropathy sometimes progressing to loss of vision, have been reported in patients treated with actional peripheral) has not been reported in patients treated with teacified phosphate at the recommended treatment durations of days. All patients should be advised to report symptoms of visual impairment, such as changes in visual aculty, changes in color vision, blurred vision, or visual field defect. In such cases, prompt evaluation is recommended with referral to an ophthalmologist as necessary.

Lactic acidosis: Lactic acidosis has been reported with the use of another member of the oxazolidinone class. Lactic acidosis has not been reported in patients treated with tedizoilid phosphate at the recommended treatment duration of 6 days.

Hypersensitivity reactions: Tedizoidi phosphate should be administered with caution in patients known to be hypersensitive to other oxazolidinones since ross-hypersensitivity practions: Tedizoidi phosphate considered in all patients who present with results associated diarnhoea: Clostridioides difficile associated diarnhoea: Clostridioides difficile associated diarnhoea: Clostridioides difficile associat

Occur, presents strong consider accommuning enter one or our agents.

Non-susceptible microorganisms: Prescribing tedizoid phosphate in the absence of a proven or strongly suspected bacterial infection increases the risk of the development of drug-resistant bacteria. Tedizoid is generally not active against Gram-negative bacteria. Endizoid the control of the clinical data: The safety and efficacy of tedizoid phosphate when administered for periods longer than 6 days have not been established. In ABSSSI, the

types of infections treated were confined to cellulitis/erysipelas or major cutaneous abscesses, and wound infections only. Other types of skin infections have not been studied. There is limited experience with tedically phosphate in the treatment of patients with concomitant acute bacterial skin and skin structure infections and secondary bacteraemia and no experience in the treatment of ABSSSI with severe sepsior or splic shock. Controlled clinical studies did not include patients with neutropenial (neutrophi counts) and no experience in the treatment of ABSSI with severe sepsior or splic shock. Controlled clinical studies did not include patients with neutropenial (neutrophi counts). and no experience in the treatment of ABSSSI with severe <1,000 cells/mm³) or severely immunocompromised patients

<1,000 cells/mm²) or severely immunocompromised patients.</p>
4.5. INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORM OF INTERACTIONS:
Pharmacokinetic interactions: In a clinical study comparing the single dose (10mg) pharmacokinetics of rosuvastatin (Breast Cancer Resistant Protein [BCRP] substrate) alone or in combination with tedizolid phosphate (none-daily 200mg oral dose), rosuvastatin AUC and C_{max} increased by approximately 70% and 65%, respectively, when coadministered BCRP substrate medicional product (such as imatinic), lapalinib, methotrexate, pitavastatin, rosuvastatin, sulfasalazine, and topotecan) should be considered during the 6 days of treatment with oral tedizolid phosphate. In a cinical study comparing the single dose (2mg) pharmacokinetisc of midazolam (CYP3A4 substrate) alone or in combination with tedizolid phosphate (none-daily 200mg oral dose for 10 days), midazolam AUC and C_{max} when co-administered with tedizolid phosphate were 81% and 83% of midazolam AUC and C_{max} when administered alone, respectively. This effect is not clinically meaningful, and no dose adjustment for co-administered VP9A4 substrates is necessary during tedizolid phosphate treatment.
Pharmacodynamic interactions: Monoamine oxidase inhibition: Tedizolid is a reversible inhibitor of monoamine oxidase (MAO) in vitro, however, no interaction is anticipated when comparing the L_G for MAO-A inhibition and the anticipated plasma exposures in man. Drug interaction studies to determine effects of 200mg oral tedizolid phosphate at steady state on pseudoephedrine and tyramine pressor effects were conducted in healthy volunteers. No meaningful changes in blood pressure or heart rate with pseudoephedrine were observed in the healthy volunteers, and no clinically relevant increase in tyramine sensitivity were interactions: The potential for serotonergic interactions as not been studied in either patients or healthy volunteers. Post-marketing experience: there have been reports of patients experienci

4.6. FERTILITY, PREGNANCY AND LACTATION

Fertility: The effects of tedizolid phosphate on fertility in humans have not been studied. Animal studies with tedizolid phosphate do not indicate harmful effects v

Pregnancy: There are no data from the use of tedizolid phosphate in pregnant women. As a precautionary measure, it is preferable to avoid the use of during pregnancy.

Breast-feeding: It is unknown whether tedizolid phosphate or its metabolities are excreted in human milk. Tedizolid is excreted in the breast milk of the properties of the prop

during pregnancy.

Breast-feeding: It is unknown whether tedizolid phosphate or its metabolities are excreted in human milk. Tedizolid is excreted in the breast milk of rats. A risk to the breast-feeding infant cannot be excluded. A decision must be made whether to discontinue breast-feeding or to discontinue/abstain from tedizolid phosphate therapy taking into account the benefit of breast-feeding for the child and the benefit of therapy for the woman.



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4.7. EFFECTS ON ABILITY TO DRIVE AND USE MACHINES:
Tedizolid Phosphate may have a minor influence on the ability to drive and use machines as it may cause dizziness, fatigue or, uncommonly, somnoler

4.8. UNDESIRABLE EFFECTS:

4-8. UNICENTABLE THE VIS.
Adverse reactions are classified by preferred term and System Organ Class, and by frequency. Frequencies are defined as: very common (≥1/100); common (≥1/100) to <1/1/0,00); very rare (<1/10,000); not known (cannot be estimated from the available data). Interctions and infectations: Uncommon: Vibuocaginal mycotic infection, fungal infection, vibuocaginal candicilass, abscess, Clostrifolioles difficile colitis, dermatophytosis, infection and infectations: Uncommon: Vibuocaginal mycotic infection, fungal infection, vibuocaginal candicilass, abscess, Clostrifolioles difficile colitis, dermatophytosis,

oral candidiasis, respiratory tract infection Blood and lymphatic system disorders: Uncommon: I ymphadenopathy, Not known: Thrombocytopenia

Immune system: Uncommon: Drug hypersensitivity.

Metabolism and nutrition disorders: Uncommon: Dehydration, diabetes mellitus inadequate control, hyperkalaemia.

Pezpichistri disorders: Uncommon: Insomnia, sia siene disordina indicesso finanzia indicepuale conto, in persalemia.

Nervous system disorders: Common: Discrimia, sia siene disorderi. Alexonia system disorders: Common: Discrimia, sia siene disorders. Common: Discrimia, sia siene disorderi. Uncommon: Somniolence, dysgeusia, tremor, paraesthesia, hypoaesthesia.

Eye disorders: Uncommon: Vision bitured, utireus floaters.

Eye disorders: Uncommon: Vision blurned, vitreous floaters.

Cardiac disorders: Uncommon: Bradycardia.

Vascular disorders: Uncommon: Flushing, hoft flush.

Respiratory, thoracic and mediastinal disorders: Uncommon: Cough, nasal dryness, pulmonary congestion.

Respiratory, thoracic and mediastinal disorders: Uncommon: Cough, nasal dryness, pulmonary congestion.

Gastrointestinal disorders: Common: Distrince, nausea, vomiting. Uncommon: Abdominal pain, constipation, abdominal discomfort, dry mouth, dyspepsia, abdominal pain upper, flatulence, gastroosesophageal reflux disease, haematochezia, retching.

Skin and subcutaneous tissue disorders: Common: Purture generalised, Uncommon: Hyperhidrosis, pruritus, rash, urticaria, alopecia, rash erythematous, rash generalised, acne, pruritus allergic, rash maculo-papular, rash pruritic.

Musculoskeletal and connective tissue disorders: Uncommon: Arthralgia, muscle spasms, back pain, limb discomfort, neck pain.

Renal and Urinary disorders: Uncommon: Unico odour abnormal.

Reproductive system and breast disorders: Uncommon: Vulvovaginal pruritus.

General disorders and administration site conditions: Common: Faligue. Uncommon: Chilis, irritability, pyrexia, peripheral oedema.

Investigations: Uncommon: Grip strength decreased, transaminases increased, white blood cell count decreased.

*Based on post-marketing reports. Since these reactions are reported voluntarily from a population of uncertain size, it is not possible to reliably estimate their frequency which is therefore categorised as not known.

In the event of overdose, Tedizolid Phosphate should be discontinued and general supportive treatment given. Haemodialysis does not result in meaningful removal of tedizolid from systemic circulation. The highest single dose administered in clinical studies was 1,200mg. All adverse reactions at this dose level were mild or moderate in severity.

5. PHARMACOLOGICAL PROPERTIES

5.1. PHARMACODYNAMIC PROPERTIES:
Pharmacotherapeutic group: Antibacterials for systemic use, other antibacterials, ATC code: J01XX11
Mechanism of action: Tedizolid phosphate is an oxazolidinone phosphate prodrug. The antibacterial activity of tedizolid is mediated by binding to the 50S subunit of the bacterial ribosome resulting in inhibition of protein synthesis. Tedizolid is primarily active against Gram-positive bacteria. Tedizolid is bacteriostatic against enterococci, staphylococci, and streptococci in vitro.

5.2. PHARMACOKINETICS:

Oral and intravenous tedizolid phosphate is a prodrug that is rapidly converted by phosphatases to tedizolid, the microbiologically active moiety. Only the pharmacokinetic profile of tedizolid is discussed in this section.

Absorption: The absolute biggraphic biggraphic forms and the properties of the prope Assorption: The associate blocketisation by the learner of the properties and the propert

Distribution: The average binding of tedizoid to human plasma proteins is approximately 70-90%. The mean steady state volume of distribution of tedizoid in healthy adults (n=9) following a single intravenous dose of tedizoid phosphate 200m granged from 67 to 80 L.

Metabolism: Tedizoid phosphate is converted by endogenous plasma and tissue phosphatases to the microbiologically active moiety, tedizoid. Other than tedizoid, which accounts for approximately 95% of the total radiocarbon AUC in plasma, there are no other significant circulating metabolites. When incubated with poeled human liver microsomes, tedizoid was stable suggesting that tedizoid is not a substrate for hepatic CYP450 enzymes. Multiple sulfotransferase (SULT) enzymes (SULT1A1, SULT1A2, and SULT2A1) are involved in the biotransformation of tedizoidid, to form an in ancitive and non-circulating sulphate conjugate found in the excreta. Ellimination: Tedizoidi is eliminated in excreta, primarily as a non-circulating sulphate conjugate. Following single or all administration of 14C-labeled tedizoid phosphate under fasted conditions, the majority of elimination occurred via the liver with 81.5% of the radioactive dose recovered in faeces and 15% in urine, with most of the elimination (>85%) occurring within 96 hours. Less than 3% of tedizoid phosphate administered dose is excreted as active tedizoid. The elimination half-life of tedizoid is approximately 12 hours and the intravenous clearance is 6-7L/h.

5.3 PRECLINICAL SAFETY DATA-

5.3. PRECLINICAL SAFETY DATA:

Long-term carcinogenicity studies have not been conducted with tedizolid phosphate. Repeated oral and intravenous dosing of tedizolid phosphate in rats in 1-month and 3-month hoxicology studies produced dose- and time-dependent home marrow hypocellularity (myeloid, erythroid, and megakarpoycle) with associated reduction in circulating RBCs, WBCs, and platelets. These effects showed evidence of reversibility and occurred at plasma tedizolid exposure levels (AUC) 2-610 digreater than the pissma exposure associated with the human therapeutic dose. In a 1-month immunotoxicology study in rats, repeated oral dosing of tedizolid phosphate was shown to significantly reduce splenic B cells of times. These effects occurred at plasma tedizolid exposure levels (AUC) 2-610 dgreater than the expected human plasma exposure associated with the therapeutic dose. A special neuropathology study was conducted in pigmented Long Evans rats administered tedizolid phosphate daily for up to 9 months. This study used sensitive morphologic evaluation of perision-fixed peripheral and central nervous synthesis. Study used sensitive morphologic evaluation of perision-fixed peripheral and central nervous synthesis. Study used sensitive morphologic evaluation of perision-fixed peripheral and central nervous synthesis. Study used sensitive morphologic evaluation of perision-fixed peripheral and central nervous synthesis. According neurobehavioral changes or optic or peripheral neuropathy, was associated with tedizolid after 1, 3, 6 or 9 months of oral administration up to doses with plasma exposure revelocity. Tedizolid phosphate was negative for genotoxicity in all in vitro assays (bacterial reverse mutation [Ames], Chinese hamster lung [CHL] cell chromosomal aberration) and in all in vivo tests (mouse bone marrow micronucleus assay. Tedizolid phosphate had been administration up to the decident of the peripheral neuropathy. The decident of the propheral peripheral neuropathy in all in vitro and adverse in vitro

6. PHARMACEUTICAL PARTICULARS 6.1. LIST OF EXCIPIENTS:

Microcrystalline cellulose Mannitol Crospovidone Polyvinyl pyrrolidone Magnesium stearate Sheffcoat PVA white Yellow iron oxide color

6.2. INCOMPATIBILITIES:

6.3. SHELF LIFE:

6.4. SPECIAL PRECAUTIONS FOR STORAGE:Do not store over 30°C, and protect from heat and moisture. Improper storage may deteriorate the medicine Keep out of reach of children.

6.5. NATURE AND CONTENTS OF CONTAINER:

6.6. SPECIAL PRECAUTIONS FOR DISPOSAL OF A USED PRODUCT:

6.7. DRUG PRODUCT SPECIFICATIONS:



SUMMARY OF PRODUCT CHARACTERISTICS

7. MARKETING AUTHORISATION HOLDER

Manufactured by:
SAMI Pharmaceuticals (Pvt.) Ltd.
F-95, Off Hub River Road, S.I.T.E., Karachi-Pakistan
www.samipharmack.com
Mfg. Lic. No. 000072

8. MARKETING AUTHORISATION NUMBER(S) 120208

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION $16^{\rm th}$ August, 2024

10. DATE OF REVISION OF THE TEXT

شید سروریش شیبلی شیبلیش (شید سروریش) مالیات: خوراک دُاکٹر کی ہدایت کے مطابق استعال کریں۔ صرف رجٹر ڈ دُاکٹر کے نینج کے مطابق فرونت کریں۔ بچل کی پہنچ سے دوررکھیں۔ دواکو ۳ دُگر کی سنٹی گریڈ سے زیادہ درجہ ترارت پر ندرکھیں،

گرمی اورنمی ہے محفوظ رکھیں ور نہ دواخراب ہوجا کیگی۔

R.N-02/QC/10/2024_SmPC